

CACNG2 rabbit monoclonal antibody

Catalog # H00010369-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CACNG2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CACNG2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CACNG2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CACNG2

Entrez GeneID	10369
GeneBank Accession#	CACNG2
Gene Name	CACNG2
Gene Alias	MGC138502, MGC138504
Gene Description	calcium channel, voltage-dependent, gamma subunit 2
Omim ID	602911
Gene Ontology	Hyperlink
Gene Summary	L-type calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. This protein is similar to the mouse stargazin protein, mutations in which have been associated with absence seizures, also known as petit-mal or spike-wave seizures. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family. [provided by RefSeq]
Other Designations	neuronal voltage-gated calcium channel gamma-2 subunit stargazin voltage-dependent calcium channel gamma-2 subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)

Disease

- [Attention](#)
- [Bipolar Disorder](#)

- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)
- [Problem Solving](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)